

## D02H

### WARPING, BEAMING OR LEASING

#### Definition statement

*This place covers:*

Apparatuses and methods for warping, beaming and leasing of warp yarns in preparation of the weaving process.

#### Glossary of terms

*In this place, the following terms or expressions are used with the meaning indicated:*

Warping	comprises winding parts of the warp yarns, normally from bobbins, on a warping beam, whereby sequential parts are wound next to each other until the full weaving width is covered. The warping beam is then normally in a next step of warp preparation used for beaming
Beaming	comprises winding the full width of the warp yarns in a single winding operation on the weaving beam (i.e. the beam which is to be placed on the loom). The warp yarns can be wound from a creel or a warping beam.
Leasing	comprises inserting lease cords between the warp yarns to separate groups of warp yarns.
Fibre	a relatively-short, elongated member of natural or artificial material
Filament:	an endless or quasi-endless, elongated member of natural (e.g. silk) or artificial material
Yarn	a unitary assembly of fibres, usually produced by spinning
Thread:	an assembly of yarns or filaments, usually produced by twisting

## D02H 1/00

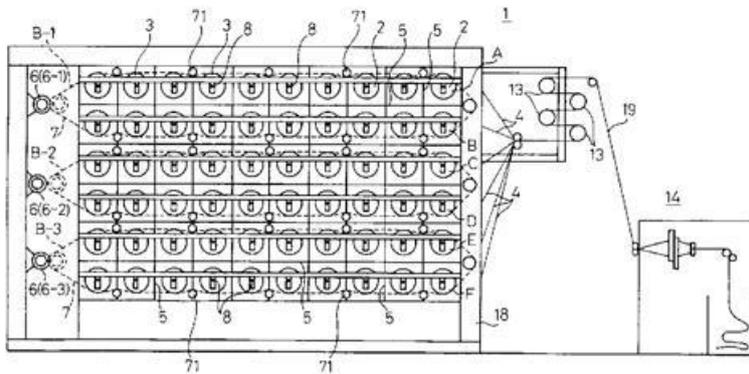
### Creels, i.e. apparatus for supplying a multiplicity of individual threads

#### Definition statement

*This place covers:*

Structures with yarn packages for supplying a multiplicity of individual threads in particular to warping machines or looms.

Illustrative example of subject matter classified in this group (EP-A1-0 732 433):



## References

### Informative references

Attention is drawn to the following places, which may be of interest for search:

Methods and apparatus with yarn packages for supplying individual threads (i.e. creels in general)	<a href="#">B65H 49/02</a> , <a href="#">B65H 49/18</a>
Controlling warp tension if the warp is supplied to the weaving machine by a creel	<a href="#">D03D 49/16</a>

## D02H 3/00

### Warping machines

#### Definition statement

*This place covers:*

Apparatuses and methods for winding warps normally from a creel on a beam (from where it is, as a next step, normally wound on the warp beam of the loom).

## D02H 3/02

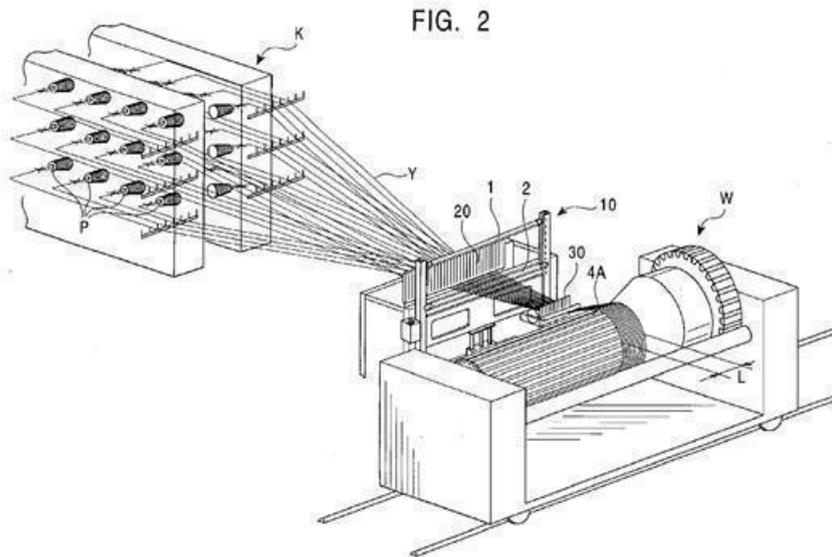
### {Sectional warpers}

#### Definition statement

*This place covers:*

Sectional warpers which normally feature a large drum and feeding warp threads perpendicular to the drum axis from a bobbin creel.

Illustrative example of subject matter classified in this group (EP-A2-1 510 605):



## D02H 3/04

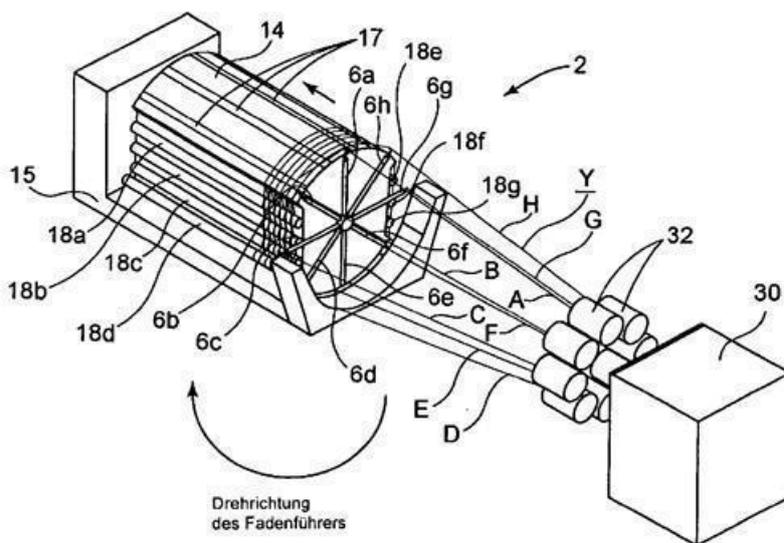
### {Sample warpers}

#### Definition statement

*This place covers:*

Warpers for warping relatively short lengths of warp threads which are used for weaving a sample fabric. These warpers are normally sectional warpers with sideways winding from a bobbin creel.

Illustrative example of subject matter classified in this group (DE-A1-102006023496):



## D02H 5/00

### Beaming machines

#### Definition statement

*This place covers:*

Apparatuses and methods for beaming whereby a full width of warp yarns is wound in a single winding operation on the weaving beam (i.e. the beam to be placed in the loom). The warp yarns can be unwound from a creel (i.e. direct beaming) or from a warping beam.

## D02H 7/00

### Combined warping and beaming machines

#### Definition statement

*This place covers:*

Machines wherein the functions of warping and beaming are united, e.g. by using sectional beaming to create a beam which can be directly used in a weaving machine.

#### References

##### Limiting references

*This place does not cover:*

Direct beaming wherein the whole width of warp yarns is beamed at once	<a href="#">D02H 5/00</a>
--	---------------------------

## D02H 9/00

### Leasing

#### Definition statement

*This place covers:*

Apparatuses and methods for inserting lease cords between the warp yarns to separate groups of warp yarns.

## D02H 11/00

### Methods or apparatus not provided for in the preceding groups, e.g. for cleaning the warp

#### Definition statement

*This place covers:*

Methods or apparatus not provided for in the groups [D02H 1/00](#) - [D02H 9/00](#), e.g. for cleaning the warp.

## D02H 13/00

### Details of machines of the preceding groups

#### Definition statement

*This place covers:*

Details of machines of the groups [D02H 1/00](#) - [D02H 11/00](#).

## D02H 13/02

### Stop motions

#### References

##### *Informative references*

*Attention is drawn to the following places, which may be of interest for search:*

Applications of devices for metering predetermined lengths of running material	<a href="#">B65H 61/00</a>
Warning or safety devices, e.g. stop-motions	<a href="#">B65H 63/00</a>

## D02H 13/12

### Variable-speed driving mechanisms

#### References

##### *Informative references*

*Attention is drawn to the following places, which may be of interest for search:*

Adjusting or controlling tension in filamentary material in general	<a href="#">B65H 59/00</a>
---	----------------------------

## D02H 13/16

### Reeds, combs, or other devices for determining the spacing of threads

#### References

##### *Informative references*

*Attention is drawn to the following places, which may be of interest for search:*

Reeds or beat-up combs in looms	<a href="#">D03D 49/62</a> or <a href="#">D03D 49/68</a> .
---------------------------------	---

## D02H 13/22

### Tensioning devices

#### References

##### *Informative references*

*Attention is drawn to the following places, which may be of interest for search:*

Adjusting or controlling tension in filamentary material in general	<a href="#">B65H 59/00</a>
---	----------------------------